

THE EARTHEN ARCHITECTURE  
ASSOCIATION

BRNO UNIVERSITY OF  
TECHNOLOGY  
FACULTY OF ARCHITECTURE

INTERNATIONAL  
CONFERENCE

# HEALTHY HOUSES 2007

21 – 22 JUNE 2007

FA VUT, POŘÍČÍ 5, 63900 BRNO



Project "Natural materials and clay in modern and historical buildings"

Project registration number: CZ.04.1.03/3.3.11/3131

This project is cofinanced by The European Social Fund and by state budget of The Czech Republic.

The conference is held under the auspices of hetman of Region South Moravia Ing. Stanislav Juránek.

## INVITATION

### Aim:

Natural materials – sustainable sources of raw materials – were until recently the only building materials. Historical constructions are often bearers of high cultural properties, which overreach the scope of regions. Buildings from unburned clay that have been neglected in the past are mostly older than one century and due to insufficient publicity they are getting out of people's minds.

The idea of long-term sustainable development on the earth brings new requirements on the quality of building materials. They no longer pursue only technical characteristics, they consider the whole life cycle of materials and buildings made of them. Natural building materials gain ground not only as sustainable sources of materials, but also thanks to their health benefits.

The conference will be dedicated to natural materials in historical and contemporary forms. The conference objective is to connect experts in this field in East European countries and to follow up on the idea of the former DEAN international network - Danubian Earthen Architecture Network – founded in 1994.

### Scientific committee:

Chybík Josef, Doc. Ing., Csc.	CZ
Isik Bilge, Dr.	TR
Jóna Eugen, prof. Ing., DrSc.	SK
Krnjetin Slobodan, Prof. dr.	CS
Urbášková Hana, Doc. Ing. arch., Ph.D.	CZ
Žabičková Ivana, Doc. Ing., CSc.	CZ

## PROGRAM:

### Thursday – 21 June 2007

8:00 - 9:00 Registration

9:00 - 9:30 Opening, introduction of the project „Earth today“

9:30 - 9:50 **Revisiting earthen architectural traditions to meet contemporary needs and challenges: Building cultures and sustainable development**

Garnier Philippe, CRATerre, Grenoble, FR

9:50 -10:10 **Clay in vernacular architecture**

Matuszková Jitka, NPÚ v Brně, CZ

10:10-10:30 **Constructions made of unburned clay in Romania; historical evolution, characteristics, complementary materials, execution techniques**

Fartatescu Mariana, Bliuc Irina, Manoliu Raluca  
TU Gh. Asachi, Faculty of Architecture, Iasi, RO

10:30-10:50 **Potentials and limits of natural building materials in renovation: preserving and adapting the traditional building skills in Bulgaria**

Valtchanova Varvara, Plovdiv, BG

10:50-11:20 Discussion

11:20- 11:50 Coffee break

11:50-12:10 **Does your house breathe?**

Vlček Marek, Hliněný dům, s.r.o., CZ

12:10-12:30 **Naturally beautiful- designing with clay**

Beuchel Eckhard, DE; Cole Elke, CA

12:30-12:50 **Laminated silicates, their structure and physical characteristics**

Jóna Eugen, FPT TnUAD, Púchov, SK

12:50-13:10 Discussion

13:10-14:10 Lunch break

14:10-14:30 **Healthy living with gypsum-stabilized earth**

Isik Bilge, ITU, Faculty of Architecture, TR

14:30-14:50 **Technoeconomical analysis of structures built with earth**

Trivunić Milan, Krnjetin Slobodan, Jakšić Željko,  
Faculty of Technical Sciences, Novi Sad, CS

14:50-15:10 **Possibilities of construction solution in clay architecture**

Makovec Jiří, Vejmelka Roman, Studio A91  
Růžička Jan, FSv, ČVUT v Praze, CZ

15:10-15:30 Discussion

15:30-16:00 Coffee break

16:00-16:20 **The house for the couple: low-cost ecological passive building made from wood**

Hudec Mojmir, Ateliér ELAM, Brno, CZ

16:20-16:40 **Reed and straw as building materials**

Chybík Josef, FA VUT v Brně, CZ

16:40-17:00 **Environmental evaluation of different versions of apartment building construction design – case study**

Růžička Jan, Fiala Ctislav, Lupíšek Antonín,  
Mukařovský Jan, Vonka Martin,  
FSv, ČVUT v Praze, CZ

17:00-17:30 Discussion

18:00 Conference banquet

### Friday - 22 June 2007

9:00 – 17:00 **Excursion - new buildings with clay, reconstructions, old clay buildings**

### Steering Committee:

Doc. Ing. Ivana Žabičková, CSc.

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### INFORMATION:

Location: Faculty of Architecture, Brno, Poříčí 5

Accommodation: individual

Language: Czech, English (will be interpreted)

On-line application form: [www.fa.vutbr.cz/zdravedomy/](http://www.fa.vutbr.cz/zdravedomy/)

Application by mail: [jurankova@adm.fa.vutbr.cz](mailto:jurankova@adm.fa.vutbr.cz)

Actual informations: [www.hlina.info](http://www.hlina.info)